PROTEGO® Electrically Heated Insulation-Jackets

Application orientated solutions



Challenge

Breather vent plugged and cannot function (often caused by formation of ice in cold environments).

Solutions

1) Install PROTEGO® valve with heating (steam) jacket

2) Install PROTEGO® removable insulation jacket complete with integral, ATEX-approved electric heat-tracing elements

Actual Application

Biogas digester (or any tank with condensing atmosphere or located in humid climate conditions where there is risk of freezing) with location that dictates it is impossible/ impractical to install steam-jackets or hot-media energized heating-jackets.

Solution - chose number 2 - install PROTEGO® self-limiting heating bands

Design Parameters

- self-limiting heating bands (85 °C - T6) with ATEX approval
- designed for -40 °C, depending on the device type
- carrier material of heating band is elastic PTFE foil
- insulated with UV and weather resistant Para-aramid fiber

Advantages of PROTEGO®

- all openings (valve intake/discharge; condensate drains) are kept free of debris
- no icing of the moving parts
- matches the individual requirements of the PROTEGO® devices without adversely influencing the functionality—thus assuring the valve provides calculated in/out-breathing rates
- easily removed and re-installed during service work
- retro-fit of installed PROTEGO® devices possible

In case of questions about application or retro-fit please do not hesitate to contact the PROTEGO® team.

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